<u>In the claims</u>:

Please substitute the following full listing of claim for the claims as originally filed or most recently amended.


1. (Currently Amended)  An ~~IEEE 1394~~ apparatus connected to a serial bus and being operable using power supplied from said serial bus or its own power supply, said apparatus comprising:

<u>a</u> voltage ~~detection means~~ <u>detector</u> for determining whether or not an output voltage of said power supply of its own is present and outputting the result of the determination;

<u>a</u> code ~~generation means~~ <u>generator</u> for generating, based on the result of the determination of said voltage ~~detection means~~ <u>detector</u>, a code indicative of power class information which is information representing which one of the power supplied from said serial bus and said power supply of its own is used for operation of said ~~IEEE 1394~~ apparatus;

<u>a power-on reset circuit;</u>

<u>a</u> changing point ~~detection means~~ <u>detector</u> for detecting a change of the result of the determination output from said voltage ~~detection means~~ <u>detector</u>; and

a physical layer circuit <u>responsive to said power-on reset circuit or said changing point detector</u> for varying the connection of said serial bus to perform bus resetting and for placing, when self-identification is performed in response to the occurrence of bus resetting, the code generated by said code ~~generation means~~ <u>generator</u> and indicative of the power class information into a Self-ID packet to be used for transmission of a result of the self-identification to a bus manager and outputting the Self-ID packet.

2. (Currently Amended)  An ~~IEEE 1394~~ apparatus according to claim 1, further comprising a bus voltage ~~detection means~~ detector for determining whether or not an output voltage of power supplied from said serial bus is present and outputting a result of the determination, and wherein said changing point ~~detection means~~ detector detects a change of the result of the determination of said voltage ~~detection means~~ detector only when said bus voltage ~~detection means~~ detector detects that the power supplied from said serial bus is higher than a predetermined voltage.

3. (Currently Amended)  An ~~IEEE 1394~~ apparatus connected to a serial bus and being operable using power supplied from said serial bus or its own power supply, said apparatus comprising:

a voltage ~~detection means~~ detector for determining whether or not an output voltage of said power supply of its own is present and outputting the result of the determination;

a code ~~generation means~~ generator for generating, based on the result of the determination of said voltage ~~detection means~~ detector, a code indicative of power class information which is information representing which one of the power supplied from said serial bus and said power supply of its own is used for operation of said ~~IEEE 1394~~ apparatus;

a power-on reset circuit;

a changing point ~~detection means~~ detector for detecting a change of the result of the determination output from said voltage ~~detection means~~ detector; and

a physical layer circuit for performing bus resetting in response to an output signal from either said power-on reset circuit or said changing point ~~detection means~~ detector and for placing, when self-identification is performed in response to the occurrence of bus resetting, the code generated by said

code ~~generation means~~ <u>generator</u> and indicative of the power class information into a Self-ID packet to be used for transmission of a result of the self-identification to a bus manager and outputting the Self-ID packet.

4.  (Currently Amended)   An ~~IEEE 1394~~ apparatus according to claim 3, further comprising <u>a</u> bus voltage ~~detection means~~ <u>detector</u> for determining whether or not an output voltage of power supplied from said serial bus is present and outputting a result of the determination, and wherein said changing point ~~detection means~~ <u>detector</u> detects a change of the result of the determination of said voltage ~~detection means~~ <u>detector</u> only when said bus voltage ~~detection means~~ <u>detector</u> detects that the power supplied from said serial bus is higher than a predetermined voltage.